

WHAT IS CLAIMED IS:

1. A glass article comprising an alkali-containing glass substrate, and a barrier film for preventing diffusion of metal ions formed on a surface of said alkali-containing glass substrate, wherein said barrier film mainly consisting of indium oxide and/or tin oxide.

2. A glass article as claimed in claim 1, wherein said article further comprises an under layer for preventing diffusion of alkali ions formed on the surface of said alkali-containing glass substrate, and wherein said barrier film is formed on said under layer.

3. A glass article as claimed in claim 1 or 2, further comprising an insulating film formed on said barrier film.

4. A glass article as claimed in claim 3, wherein the surface electrical resistance of said insulating film is in a range from $1.0 \times 10^6 \Omega/\square$ to $1.0 \times 10^{16} \Omega/\square$.

5. A glass article as claimed in claim 3 or 4, wherein the surface electrical resistance of said insulating film is kept in the range from $1.0 \times 10^6 \Omega/\square$ to $1.0 \times 10^{16} \Omega/\square$ even after heating process at 550°C for 1 hour.

6. A glass article as claimed in any one of claims 3 through 5,

further comprising an electrode film formed on said insulating film.

7. A glass article as claimed in claim 6, wherein said electrode film includes Ag.

8. A glass substrate for a display comprising: an alkali-containing
5 glass substrate; an under layer for preventing diffusion of alkali ions
formed on a surface of said alkali-containing glass substrate; a barrier
film for preventing diffusion of metal ions mainly consisting of indium
oxide and/or tin oxide; an insulating film; and an electrode film,

said films being formed in the enumerated order, and

10 the surface electrical resistance of said insulating film being kept
in a range from $1.0 \times 10^6 \Omega/\square$ to $1.0 \times 10^{16} \Omega/\square$ even after heating
process at 550 °C for 1 hour.